

ABSTRACT OF THE DISCLOSURE

A method for determining the heating value of a fuel gas or fuel gas mixture in which the chemiluminescence intensity of at least one chemical bond in a known volume of the fuel gas or mixture is measured. Based upon the results of the measurement(s), the amount of the at least one chemical bond in the known volume of the fuel gas or mixture is determined. Having determined the amount of the at least one chemical bond, the heating value of the fuel gas or mixture can be determined.